WHAT IS CLAIMED IS:

1. Stable dispersions of polyol formulations which comprise:

a) a polyol component comprising:

a1) one or more polyetherpolyols with an OH number of 350 to 1830 mg KOH/g and a functionality of 2 to 8,

and

a2) optionally up to 40 wt.%, based on the combined weight of a) and b), of one or more polyesterpolyols with an OH number of 250 to 500 mg KOH/g and a functionality of 2 to 3,

b) optionally, one or more polyetherpolyols with an OH number of 15 to 250 mg KOH/g and a functionality of 2 to 6,

c) one or more release agents selected from the group consisting of:

c1) one or more release agents containing ester groups and comprise the reaction product of:

(i) one or more fatty acids having 10 to 40 carbon atoms,

(ii) optionally, one or more dicarboxylic acids or polycarboxylic acids,

and

(iii) one or more polyetherpolyols with ethylene oxide and/or propylene oxide units in the molecule with an OH number of 200 to 1,000 KOH/g and a functionality of 2 to 6, wherein up to 50 equivalent percent of said polyetherpolyol component may be replaced by other polyols which are free of ethylene oxide and/or propylene oxide units in the molecule;

c2) optionally, one or more release agents containing amide groups,

and

c3) mixtures thereof;

d) optionally, water or a mixture thereof with one or more physical blowing agents,

e) optionally, one or more activators,

f) optionally, one or more stabilizers,

and

g) optionally, other additives and auxiliary substances.

2. The stable dispersions of Claim 1, wherein c1) said release agents which contain ester groups comprise the reaction product of:

(i) one or more fatty acids having 10 to 40 carbon atoms,

(ii) optionally, one or more dicarboxylic or polycarboxylic acids,

and

(iii) one or more polyetherpolyol components with an OH number of 400 to 800 mg KOH/g, and a functionality of 2 to 4.

3. A process for the preparation of the stable dispersions of Claim 1, comprising (I) mixing components a) through g) together.

4. A cellular polyurethane molding, comprising the reaction product of:

A) one or more organic isocyanates,

and

B) the stable dispersions of Claim 1.

5. A process for the production of cellular polyurethane moldings, comprising:

(I) reacting

A) one or more organic isocyanates from the group consisting of organic polyisocyanates, modified organic polyisocyanates, and organic polyisocyanate prepolymers,

with

B) the stable dispersions of polyol formulations of Claim 1.